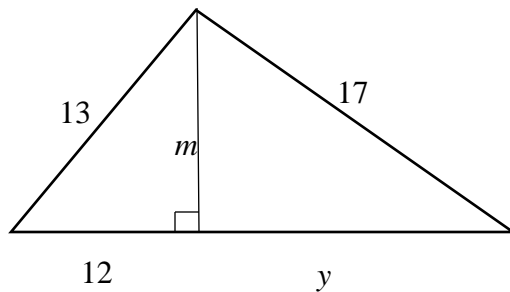


Multiple Calculations in Same Problem Practice

1. To the nearest tenth, determine the value of y in the diagram shown.

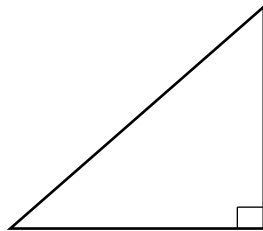


Solve for m first.

Step 1: Identify the given and the required values.

- The length of the hypotenuse is _____.
- The length of the base is _____.
- The height of the triangle is the _____.

Step 2: Draw and label the diagram.



Steps 3 and 4: Write the formula, substitute known values, and solve.

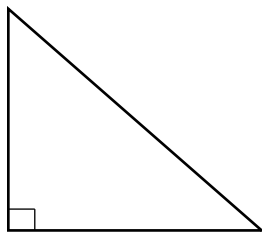
Step 5: Review the answer.

Solve for y .

Step 1: Identify the given and the required values.

- _____
- _____
- _____

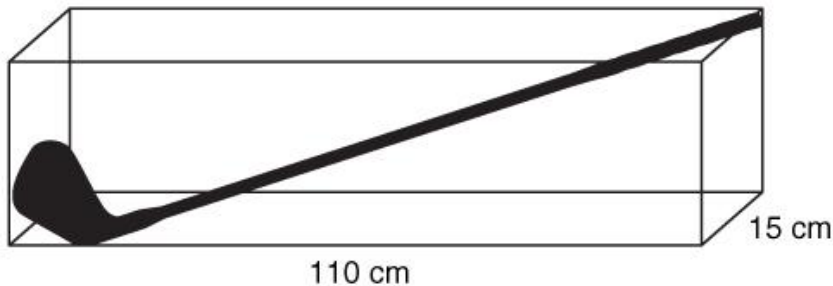
Step 2: Draw and label the diagram.



Steps 3 and 4: Write the formula, substitute known values, and solve.

Step 5: Review the answer.

2. Pete ordered a golf club from the United States. His purchase is being shipped in a rectangular box. If the golf club is 115 cm long, and the shipping box has a length of 110 cm and a width of 15 cm, how tall must the box be for the stick to fit diagonally in the box? Express your answer to the nearest centimetre.



Solve for the bottom diagonal.

Step 1: Identify the given and the required values.

- _____
- _____
- _____

Step 2: Draw and label the diagram.

Steps 3 and 4: Write the formula, substitute known values, and solve.

Step 5: Review the answer.

Solve for the height of the box.

Step 1: Identify the given and the required values.

- _____
- _____
- _____

Step 2: Draw and label the diagram.

Steps 3 and 4: Write the formula, substitute known values, and solve.

Step 5: Review the answer.